

What is claimed is:

1        1. A humidifier for a continuous positive airway  
2        pressure device, comprising:  
3              a humidifier body;  
4              an air inlet provided to the humidifier body;  
5              an air outlet provided to the humidifier body;  
6              a plurality of chambers defined within the  
7        humidifier body;  
8              a plurality of baffles between one of the plurality  
9        of chambers and an adjacent one of the plurality of  
10      chambers;  
11             an opening provided between two of the plurality of  
12      baffles, the opening connecting the adjacent two of said  
13      plurality of chambers; and  
14             a deflector baffle being one of the plurality of  
15      baffles, the deflector baffle being located proximate to  
16      the opening and defining a serpentine fluid flow path  
17      between the adjacent chambers.

1        2. The humidifier of claim 1, wherein the air  
2        outlet is spaced away from the humidifier body and  
3        defines an air outlet chamber.

1        3. The humidifier of claim 1, wherein the air

1           4. The humidifier of claim 1, wherein at least one  
2         of the plurality of baffles is curved.

1           5. The humidifier of claim 1, wherein at least one  
2         of the plurality of baffles is connected to a top side of  
3         the humidifier body and is spaced apart from a bottom  
4         side of the humidifier body.

1           6. The humidifier of claim 1, wherein each of the  
2         plurality of baffles is connected to a top side of the  
3         humidifier body and is spaced apart from a bottom side of  
4         the humidifier body.

5           7. The humidifier of claim 1, wherein the  
6         humidifier body comprises a base portion and a cover  
7         portion.

1           8. The humidifier of claim 7, wherein the base  
2         portion and the cover portion are permanently bonded  
3         together.

1           9. The humidifier of claim 7, wherein the cover  
2         portion is removable from the base portion.

3 and a corresponding groove.

11. A humidifier for a continuous positive airway  
2 pressure device, comprising:

3 a humidifier body;

4 an air inlet provided to the humidifier body;

5 an air outlet provided to the humidifier body;

6 a plurality of chambers defined within the  
7 humidifier body;

8 a non-planar dividing wall separating an adjacent

9 two of said plurality of chambers; and

10 an opening in the dividing wall providing fluid

11 communication between chambers.

12. The humidifier of claim 11, wherein each of the  
2 chambers is partially filled with water and partially  
3 filled with air, and wherein the water within chambers  
4 proximate to the outlet has a level higher than that of a  
5 level of the water within chambers proximate to the  
6 inlet.

13. The humidifier of claim 11, wherein the air  
2 within the humidifier forms at least one eddy.

1           15. The humidifier of claim 11, wherein the  
2       dividing wall comprises a plurality of sections being  
3       angled with respect each other.

1           16. A humidifier for a continuous positive airway  
2       pressure device, comprising:  
3           a base;  
4           a cover having a resilient peripheral portion  
5       removably securing the cover to the base;  
6           a chamber defined by the base and cover;  
7           an inlet in communication with the chamber; and  
8           an outlet in communication with the chamber.

1           17. The humidifier of claim 16, wherein the  
2       peripheral portion is provided with a tab to facilitate  
3       removal of the cover.

1           18. The humidifier of claim 16, wherein the chamber  
2       is provided with a plurality of baffles.

1           19. The humidifier of claim 16, wherein the chamber  
2       is divided into a first chamber and a second chamber.

3      the outlet is in adjacent communication with the second  
4      chamber.